

Quarry Blast		Liddell Spring Turbidity Peak		Time to Peak Turbidity	Elevated Turbidity Duration	Comments / Current and Prior Days' Weather
Date/Time	Date/Time	(NTU)	(hrs)			
1	1/16/04 11:55	1/16/04 18:52	6	6.9	7	mostly dry prior several days
2	1/21/04 11:54	1/21/04 16:07	3	4.2	0.5	mostly dry prior several days
3	1/30/04 11:40	1/30/04 16:07	17	4.5	11	concurrent light rain
4	2/5/04 11:55	2/5/04 14:07	14	2.2	8	storm ended 1.5 days prior
5	2/12/04 11:55	2/12/04 16:07	3	4.2	0.5	dry
6	2/23/04 11:55	None apparent within 20 hrs				small storm 1 day prior
7	3/1/04 11:55	3/1/04 15:19	8	3.4	11	small storm ealier same day
8	3/5/04 11:55	None apparent within 20 hrs				dry
9	3/12/04 11:55	3/12/04 17:34	38	5.6	21	dry
10	3/18/04 11:56	3/18/04 16:34	3	4.6	4	dry
11	3/25/04 11:55	3/25/04 16:34	8	4.6	9	concurrent small storm
12	3/31/04 11:55	3/31/04 16:19	3	4.4	4	dry
13	4/8/04 11:56	4/8/04 15:04	7	3.1	3	dry; similar peak 2 days later
14	4/16/04 11:55	None apparent				
15	4/22/04 11:55	4/22/04 17:34	6	5.6	9	small storm 2 days prior
16	10/28/04 10:55	10/28/04 16:09	12	5.2	19	small storm 2 days prior
17	11/1/04 14:54	11/1/04 19:48	5	4.9	7	dry
18	12/1/04 14:55	12/1/04 20:45	2	5.8	18	dry
19	12/16/04 11:56	12/16/04 16:30	3	4.6	12	dry
20	2/3/05 11:55	2/3/05 14:30	18	2.6	12	dry
21	2/28/05 14:00	2/28/05 19:15	78	5.3	5	some rain 18 hrs prior
22	3/7/05 11:56	3/7/05 14:15	26	2.3	11	dry
		Avg	14	4.4	9	
		Min*	2	2.2	1	
		Max	78	6.9	21	

*Among events with an apparent turbidity response.

Liddell Spring Turbidity Peaks Following Quarry Blasts,
January 2004 to March 2005

Table 43

Nolan Associates